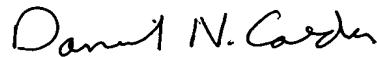## Amendment to the Abstract:

The Abstract has been amended. A revised Abstract is attached.

ABSTRACT

A coefficient computing section—(121), for computing a characteristic reverse to an input/output characteristic of the power amplifier—(113), is configured by a fixed coefficient storing section (104) and an error coefficient computing section—(105). The fixed coefficient storing section (104) is previously stored with the characteristic reverse to a pre-measured input/output characteristic. The error coefficient computing section (105) computes an error coefficient between a characteristic stored in the fixed coefficient storing section (104) and a current characteristic of the power amplifier—(113). When the determining section (123) determines that the adjacent-channel leak current power ratio is greater than a predetermined value, an operation halt is instructed to the power amplifier (113). ~~With this structure, rapid convergence is possible in adapting operation for follow-up the characteristic variation of the power amplifier (113). Furthermore, interference to the adjacent channel due to distortion abnormality in the power amplifier (113) can be prevented.~~

Respectfully submitted,

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LEA/DNC/fp

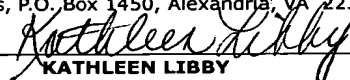Dated: July 23, 2004

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The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

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I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathleen Libby
KATHLEEN LIBBY

ABSTRACT

A coefficient computing section, for computing a characteristic reverse to an input/output characteristic of the power amplifier, is configured by a fixed coefficient storing section and an error coefficient computing section. The fixed coefficient storing section is previously stored with the characteristic reverse to a pre-measured input/output characteristic. The error coefficient computing section computes an error coefficient between a characteristic stored in the fixed coefficient storing section and a current characteristic of the power amplifier. When the determining section determines that the adjacent-channel leak current power ratio is greater than a predetermined value, an operation halt is instructed to the power amplifier.